

IN THE SPECIFICATION

Please add the following new paragraph after line 23 of Page 3 (i.e., after the final line on Page 3 and before the heading "DETAILED DESCRIPTION OF THE INVENTION" on Page 4):

Figure 6 is a drawing of a curved plane of reconstruction.

Please replace the paragraph at Page 6, lines 8-15 [i.e., the paragraph immediately preceding equation (1) and ending in a colon, wherein equation (1) is considered to start a new paragraph and is neither to be replaced nor changed] with the following paragraph:

Weights depend upon divisions of the region. To preserve symmetry and other properties, in one embodiment, projections are estimated along a curved plane written as  $\beta'_1 = 2.8\pi - \gamma$ ,  $\beta'_2 = 2\pi - \gamma$ ,  $\beta'_3 = 1.2\pi - \gamma$ , and  $\beta'_4 = 0.4\pi - \gamma$ , where  $\beta'_1$ ,  $\beta'_2$ ,  $\beta'_3$ , and  $\beta'_4$  represent view angles in a curved plane for corresponding detector rows R1, R2, R3, and R4, respectively. Each curved plane is defined by boundary conditions given by regions cited in equations (1) to (4). An example of a curved plane is shown in Figure 6. In this notation,  $\gamma$  represents the detector angle. Weights for third-order Lagrange interpolation for rows R1, R2, R3, and R4, respectively, are written as: